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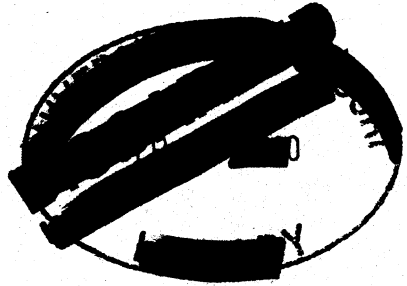
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# M 1985 Statistical Report MINING

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DOCUMENTS DIVISION

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**John Ashcroft**  
Governor

# Forward

Missouri's mineral production was down in 1985 when compared with early 1984. Five of the nine minerals that this department inspects, showed a decrease in production. Some of the drop in production resulted from mine shut downs.

Our 1985 coal production dropped compared to 1984. One coal company changed ownership. We had three new coal companies to open in 1985. We now have fifteen coal mines in production.

We are sorry to report two fatalities in the mines for 1985, although, our accident and incident rates was down.

Our Mine Safety Training Section trained 3,714 miners in 1985. All of this training was accomplished by two full-time instructors, one part-time inspector/instructor and one inspector who does all the mine rescue training.

We, the Division of Labor Standards/ Mine Safety & Mine Inspection Sections, take this opportunity to thank the mining industry for all of their assistance and cooperation throughout the 1985 year.

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# Missouri Minerals Production

Kind of Mines	Tons Produced	
	1984	1985
Clay .....	841,605	727,682
Coal .....	6,810,336	5,458,589
Copper .....	9,264	38,910
Granite (Felsite) .....	315,825	312,575
Iron .....	1,506,237	1,214,352
Lead .....	433,929	539,459
Shale .....	864,916	960,435
Silica Sand .....	692,544	633,202
Zinc .....	93,397	102,006

**Concentrates: Lead-Zinc-Copper  
Iron-Pellets**

## Clay

Clay production in Missouri in 1985 showed a decrease of 113,923 tons compared in 1984.

### Leading Clay Producers In 1985

Operators	Tons Produced
River Cement .....	169,052
Lowe's Southern Clay .....	153,108
A. P. Green .....	90,426
Allied Chemical .....	56,701
Dillon Clay Mining .....	51,053
Southern Clay, Inc. ....	38,908

## 1976-1985 Clay Production Record

Year	Tons Produced
1976 .....	1,403,983
1977 .....	1,174,857
1978 .....	1,235,744
1979 .....	1,278,876
1980 .....	1,074,509
1981 .....	836,959
1982 .....	649,613
1983 .....	659,192
1984 .....	841,605
1985 .....	727,682

## Clay

Operator	# Employed	Tonnage
A.D. Willis & Son	0	54
Allied Chemical Co.	5	56,701
Alsey Refractories Co.	4	5,000
A. P. Green	0	90,426
Arthur Dillon Clay Mining	1	21,273
Decker Mining Co.	5	12,386
Dillion Clay Mining Co.	8	51,053
Elton Hensley Mining Co.	2	9,140
Forest Johnson Clay Co.	5	27,639
Harbison-Walker	5	18,955
Joe Gilliam Mining Co.	2	7,825
Kasten Clay Products	2	17,695
Langenberg Mining Co.	3	12,402
Lowe's Southern Clay	96	153,108
Mantle Mining Co.	4	36,066
River Cement Co.	25	169,052
Southern Clay, Inc.	17	38,908

# Coal

Coal production for 1985 showed a decrease of 1,351,747 tons compared to 1984.

## 1985 Leading Coal Producing Counties

Randolph .....	2,610,970
Bates .....	815,565
Henry .....	651,232
Barton .....	494,420
Vernon .....	472,466

## 1985 Leading Coal Producing Companies

Associated Electric Corp., Inc. ....	1,718,300
N.E.M.O. Coal Co. ....	892,670
Pittsburg & Midway Coal Co.—Midway Mine .....	797,562

## Counties With Most Men Employed in 1985

Randolph .....	561
Bates .....	204
Henry .....	150
Vernon .....	116
Barton .....	77

## 1976-1985 Coal Production

1976 .....	6,167,524
1977 .....	6,626,940
1978 .....	5,843,073
1979 .....	6,487,445
1980 .....	5,502,523
1981 .....	5,242,031
1982 .....	5,778,223
1983 .....	5,249,461
1984 .....	6,810,336
1985 .....	5,458,589

## Coal

Operator	# Employed	Tonnage
Associated Electric Corp., Inc.	369	1,718,300
Bill's Coal Co.	70	336,648
Burbridge Coal Co.	25	96,275
ACORN Systems, Inc.	14	5,021
Central West Coal Corp.	46	135,818
Missouri Leasing & Investment Co.	6	26,901
Missouri Mining, Inc.	52	38,981
Moniteau Valley Mine, Inc.	2	4,802
NEMO Coal Co.	156	892,670
Peabody Coal Co.—Power Mine	150	651,232
Pittsburg & Midway Coal Co.— Midway Mine	181	797,562
Pittsburg & Midway Coal Co.— Empire Mine	77	494,420
Sunrise Coal Co.	17	18,003
Universal Coal & Energy Co.	40	223,870
Wyoming Fuel (Tri-County Mine)	31	18,086

## Coal Production By County

County	Tons Produced	Fatal Accidents
Bates	815,565	0
Barton	494,420	0
Cooper	26,901	0
Henry	651,232	0
Howard	233,693	0
Monroe	18,086	0
Putnam	38,981	0
Ralls	96,275	0
Randolph	2,610,970	0
Vernon	472,466	0



# Iron

The 1985 production of Iron showed a decrease of 291,885 tons compared to 1984.

## 1976-1985 Iron Production Record

Year	Tons Produced
1976 .....	2,294,779
1977 .....	2,055,316
1978 .....	717,769
1979 .....	1,188,634
1980 .....	1,439,300
1981 .....	1,100,000
1982 .....	807,094
1983 .....	877,033
1984 .....	1,506,237
1985 .....	1,214,352

## Iron

Operator	# Employed	Tonnage
Pea Ridge Iron Ore Co.	342	1,214,352

# Lead

Lead production in Missouri for 1985 showed an increase of 105,530 tons. Zinc showed an increase of 8,609 tons and Copper showed an increase of 29,646 tons compared to 1984.

## 1976-1985 Lead, Zinc and Copper Production Record

Year	Tons Lead Produced	Tons Zinc Produced	Tons Copper Produced
1976	713,185	185,595	22,954
1977	697,417	148,742	31,063
1978	716,126	130,537	23,999
1979	719,553	130,323	31,386
1980	752,060	129,683	26,142
1981	555,776	98,269	15,384
1982	680,310	126,473	11,578
1983	638,474	122,143	13,542
1984	433,929	93,397	9,264
1985	539,459	102,006	38,910

## Lead, Zinc and Copper

Operator	Tons Produced Lead	Tons Produced Zinc	Tons Produced Copper	Men Employed
Amax Lead Co.	177,937	47,342		223
Cominco American	110,667	31,080	4,022	90
St. Joe Minerals	245,709	23,425	34,888	148
Asarco, Inc.	5,146	159		20

## Shale

The 1985 production of Shale showed an increase of 95,519 tons compared to 1984.

## 1976-1985 Shale Production Record

Year	Tons Produced
1976 .....	1,172,557
1977 .....	1,276,884
1978 .....	1,290,386
1979 .....	1,353,088
1980 .....	1,144,436
1981 .....	958,652
1982 .....	704,442
1983 .....	825,670
1984 .....	864,916
1985 .....	960,435

### Shale

Operator	# Employed	Tonnage
Buildex, Inc.	19	90,315
Ceramo Co.	3	9,530
Continental Cement Co.	3	154,101
Dundee Cement Co.	33	650,213
Midland Brick & Tile Co.	2	56,276

## Silica Sand

The 1985 production of Silica Sand showed a decrease of 59,342 tons compared to 1984.

## 1976-1985 Silica Sand Production Record

Year	Tons Produced
1976 .....	995,049
1977 .....	1,080,200
1978 .....	1,168,894
1979 .....	1,175,214
1980 .....	1,072,951
1981 .....	1,130,395
1982 .....	764,283
1983 .....	713,491
1984 .....	692,544
1985 .....	633,202

### Silica Sand

Operator	# Employed	Tonnage
Master Bros. Silica Sand	7	39,557
Pennsylvania Glass Sand	46	271,867
River Cement Co.	6	102,456
Unimin Corp.	13	219,322

### Granite

Operator	# Employed	Tonnage
G.A.F. Corp.	102	312,395
Missouri Red Quarries, Inc.	10	180

# Fatal Accidents In Missouri Mines In 1985

**Name of Mine**

Cominco American, Inc.

**Address of Mine**

Bixby, MO

**Date of Fatality**

January 10, 1985

**Occupation**

Equipment Operator

**Name of Deceased**

Melvin D. Lewis

**Age**

44

**Description of Accident:** The victim was fatally injured, when the truck he was driving came in contact with the rib. He was thrown from the vehicle and run over by it.

**Name of Mine**

St. Joe Minerals, Viburnum No. 28

**Address of Mine**

Viburnum, MO

**Date of Fatality**

July 18, 1985

**Occupation**

Load Haul Dump Operator

**Name of Deceased**

William R. Thomas

**Age**

35

**Description of Accident:** The victim was loading two trucks in a slope, when a large amount of loose came off the pillar on the right side of the loader and one of the pieces hit the victim on the right side, rolled him to the left side out of the scat and the scat landed on top of him.

# Mine Fatalities In Missouri

Year	Lead and Zinc Mines	Coal Mines	Other Mines	Total
1900	52	19	-	71
1901	41	15	-	56
1902	14	10	-	24
1903	13	17	-	30
1904	30	11	-	41
1905	49	11	-	60
1906	58	16	-	74
1907	42	8	3	53
1908	46	10	-	56
1909	65	21	-	86
1910	45	16	-	61
1911	33	8	3	44
1912	28	19	2	49
1913	28	9	4	41
1914	22	19	2	43
1915	41	17	2	60
1916	35	6	2	43
1917	48	14	-	62
1918	16	22	1	39
1919	11	10	1	22
1920	No Report	-	-	-
1921	10	12	-	22
1922	10	6	-	16
1923	9	20	-	29
1924	12	6	-	18
1925	6	11	-	17
1926	11	7	-	18
1927	5	9	1	15
1928	8	11	2	21
1929	2	7	-	9
1930	3	10	3	16
1931	1	6	2	9
1932	2	7	1	10
1933	-	19	2	21
1934	1	13	-	14
1935	2	9	-	11
1936	3	16	1	20
1937	2	14	2	18
1938	5	7	2	14
1939	6	1	-	7
1940	3	7	-	10

<b>Year</b>	<b>Lead and Zinc Mines</b>	<b>Coal Mines</b>	<b>Other Mines</b>	<b>Total</b>
1941	4	8	2	14
1942	6	-	2	8
1943	4	7	2	13
1944	6	4	2	12
1945	6	5	2	13
1946	1	3	2	6
1947	7	3	6	16
1948	2	1	4	7
1949	5	2	5	12
1950	2	1	4	7
1951	2	2	5	9
1952	3	3	4	10
1953	2	-	-	2
1954	-	1	1	2
1955	1	-	2	3
1956	1	-	1	2
1957	3	1	3	7
1958	2	1	3	6
1959	4	-	-	4
1960	-	-	-	0
1961	6	1	-	7
1962	-	-	-	0
1963	-	-	-	0
1964	3	-	-	3
1965	2	-	-	2
1966	1	1	2	4
1967	2	-	-	2
1968	3	-	1	4
1969	2	-	-	2
1970	3	1	-	4
1971	3	1	-	4
1972	2	1	1	4
1973	2	-	4	6
1974	2	-	3	5
1975	-	2	2	4
1976	1	-	-	1
1977	1	-	-	1
1978	-	-	2	2
1979	1	-	-	1
1980	-	-	-	0
1981	1	-	-	1
1982	2	-	-	2
1983	2	1	-	3
1984	0	0	-	0
1985	2	0	-	2
<b>Total</b>	<b>1,000</b>	<b>512</b>	<b>101</b>	<b>1,547</b>

# Caves

An act of the 63rd General Assembly authorized and directed inspection of all Caves held open to the public and to require every Cave owner, operator or agent to provide necessary safety guard rails, bridges, ladders, entrances, platforms, walkways, safety barriers, rails, paths and other safety measures in and around any such Cave before it may be opened to the public and to file a complete and true map plan of such cave.

It shall be the duty of the Inspection Section to inspect such Caves at least once a year. The annual inspection fee will be thirty-five dollars (\$35).

County	Name of Cave	Address
Barry	Crystal Caverns	Cassville, MO
Camden	Ozark Caverns	Osage Beach, MO
Camden	Bridal Cave	Camdenton, MO
Carter	Cave Spring Onyx Caverns	Van Buren, MO
Crawford	Onondaga Cave	Leasburg, MO
Franklin	Fisher's Cave	Sullivan, MO
Franklin	Meramec Caverns	Stanton, MO
Greene	Crystal Cave	Springfield, MO
Greene	Fantastic Caverns	Springfield, MO
McDonald	Ozark Wonder Cave	Noel, MO
McDonald	Bluff Dwellers Cave	Noel, MO
McDonald	Truitts Cave	Lanagan, MO
Marion	Cameron Cave	Hannibal, MO
Marion	Mark Twain Cave	Hannibal, MO
Miller	Indian Burial Cave	Osage Beach, MO
Miller	Fantasy World Cavern	Osage Beach, MO
Morgan	Jacob's Cave	Versailles, MO
St. Francois	Bonne Terre Cave	Bonne Terre, MO
Shannon	Devil's Well	Van Buren, MO
Shannon	Round Springs	Round Springs, MO
Stone	Talking Rock Cave	Silver Dollar City, MO
Stone	Marvel Cave	Silver Dollar City, MO
Wayne	Rebel Cave	Silva, MO